

A196

MANUFACTURE OF COMPOSITE MATERIAL OF THERMOPLASTIC RESIN-CLAY MINERAL

Patent Number: JP9225991

Publication date: 1997-09-02

Inventor(s): OKANO HIROSHI;; OYAMADA HIROSHI

Applicant(s): ASAHI CHEM IND CO LTD

Requested Patent: JP9225991

Application Number: JP19960039297 19960227

Priority Number(s):

IPC Classification: B29C47/60; B29B7/46; C08J3/20; C08K3/00; C08L77/00; C08L101/00

EC Classification:

Equivalents:

Abstract

PROBLEM TO BE SOLVED: To manufacture a composite material of thermoplastic resin-clay mineral with good mechanical properties by an economical and simple method.

SOLUTION: The manufacture is such that (A) 100 pts.wt. of thermoplastic resin, (B) 0.05-50 pts.wt. of clay mineral with an onium ion carrying organic substance inserted in layers, and (C) dispersion medium of 0.1-5000 pts.wt. of dispersion medium relative to 100 pts.wt. of (B) component are melt-kneaded by an extruder having a ratio of flight width/pitch in the screw of a supplier in the range of 0.1-0.49.

Data supplied from the esp@cenet database - I2